

What is claimed is:

1. A transparent touch panel comprising:

a) a light transmitting sheet having:

a-1) a first electrical conductive layer;

5 a-2) a first light transmitting film where the first electrical conductive layer is formed;

a-3) a second light transmitting film; and

a-4) an adhesive layer,

b) a light transmitting substrate having a second electrical conductive
10 layer,

wherein the light transmitting sheet is formed by sticking the first light transmitting film to the second light transmitting film via the adhesive layer, and the adhesive layer is a rubber elastic layer,

15 wherein the light transmitting sheet and the light transmitting substrate are stuck to each other so that the first electrical conductive layer confronts the second electrical conductive layer with a predetermined space.

2. The transparent touch panel of claim 1,

wherein the adhesive layer is made of silicone rubber having:

20 a) hardness of 10-70 (condition of measurement: scale A of Rockwell hardness test in Japanese Industrial Standards);

b) a compressive permanent distortion factor of 50 % or less (condition of measurement: 70 °C 22 hours of B method in American Society for Testing and Material);

25 c) total light transmittance of 90% or more; and

d) a thickness of 5 µm or more.

3. The transparent touch panel of claim 1,
wherein the second light transmitting film further comprises:
a hard coat layer on an opposite side of a surface on which the second
light transmitting film is stuck.

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4. The transparent touch panel of claim 1,
wherein the first light transmitting film and the second light
transmitting film each has a thickness of 150 μm or less.

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